

Derrick Wilson-Duncan

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SKILLS

Programming: Java [5+yrs], JavaScript [5+yrs], Python 3 [4yrs], C [3yrs], C++, NodeJS [4yrs], Go [2yrs], Rust.

Databases: MySQL/MariaDB, Couchbase, MongoDB, Postgres, CockroachDB, Oracle SQL, PL/SQL, SQLite.

Tools/Frameworks: Git, Ansible, SASS, Bulma, Google Cloud, MS Azure, AWS, ThreeJS, ReactJS, WordPress, Ruby on Rails, JSP, JBoss, Gradle, Jenkins, Docker, Kubernetes, IPVS, HA Proxy, Bash, VirtualBox, Jupyter, TensorFlow.

CORE COMPETENCIES

DevOps Engineer / QA Automation Engineer

- Application support, Linux server middleware development, automation development and Bash scripting.
- Monitored system health across environments (CentOS 6, Docker, Kubernetes, Apache2, NGINX) used OP5, Nagios, and Splunk in diagnosing root cause.
- Wrote Ruby Scripts, CLI tools, and testing library for the Neat Cloud Ruby on Rails application.
- Supported CI/CD, writing scripts for tools that automated environment setup, test execution, and deployment.
- Developed new test libraries, testing Rest API endpoints, MongoDB CRUD operations, and AWS S3 Buckets speeding up QA integration testing by 80%.

Software Engineer

- Consulting with clients on Blockchain solutions, submitted solutions for Open Source Github Bounty issues, Git push pull workflow; Fullstack development with various programming languages.
- Supported AEGIS BMD5.1 BL9 software products, writing software patches, implementing new development features.
- Created builds for Linux/Unix environments (CentOS, RedHawk, Solaris) with Jenkins, Ant, Bash, and Version Control.
- Engaged in code reviews, refactoring code, and creating UML diagrams, reducing technical debt by 60%.
- Frontend Development with Java 6 SE and Java 7 SE using Swing, AWT, and embedded XHTML, implementing new widgets, windows, layouts, stored procedures, and event listeners following an MVC design pattern.
- Backend/Middleware development with Java EE, JDBC, JMS, C, C++, DataShark, MySQL, and Connexx DDS.
- Unit Testing with Junit, Mockito, PowerMock, RSpec, and Cucumber.

Systems Engineer

- Conferred with systems analysts, engineers, programmers to design system and to obtain information on project limitations and capabilities, performance requirements and interfaces.
- Performed systems analysis to maintain and control the use of computer systems software as a systems programmer.
- Supported observations of system design and requirements definition, integration testing, data analysis, and problem resolution for AEGIS Software products.
- Worked in R&D group Developing GUI test automation framework and engine in Python. This tool is used by many teams and was said to have increased the efficiency of integration testing by 70%, Additionally it allowed many teams to achieve at least 50% BDD compliance as per the Company's transition to Agile.

Web Development

- Designed, built, or maintained web sites, using scripting languages, content creation tools, management tools, and digital media.
- Frontend development with HTML5, JavaScript, JQuery, and CSS3.
- Backend development with PHP, Android, and PhoneGap, supported bug fixes and WP Plugins and Shortcodes.
- Used JavaScript and jQuery to extend HTML5 functionality and appearance to legacy browsers (IE6+).
- Created digital media and content for devices using Illustrator, Photoshop and HTML5 responsive design.

PROFESSIONAL EXPERIENCE

Freelance, Remote
Software Engineer

11/2017 - Present

Comcast, Philadelphia, PA
DevOps Engineer

10/2017

Lockheed Martin, Moorestown, NJ
Software Engineer

04/2015 – 08/2016

Lockheed Martin, Moorestown, NJ
Systems Engineer

11/2014 – 04/2015

The Neat Company, Philadelphia, PA
QA Automation Engineer

05/2014 – 09/2014

The Fox School of Business, Philadelphia, PA
Web Developer

11/2013 – 04/2014, 8/2014 – 01/2015

EDUCATION

Temple University, Philadelphia, PA
Bachelor of Science, Computer & Information Science